In the specification:

Please insert the following at page 2, line 5:

--DETAILED DESCRIPTION OF THE INVENTION—

Please delete the heading at page 3, line 1.

In the claims:

Please cancel Claims 39-47 without prejudice.

Please amend the claims as follows:

35. (Twice Amended) A method of identifying a chemical which specifically binds to a polypeptide having at least one biological activity of a GABA B receptor, the method comprising:

exposing to at least one chemical under conditions permitting interaction therewith a purified polypeptide comprising an amino acid sequence selected from the group consisting of a) SEQ ID NO: 2, b) a sequence having at least 70% identity with SEQ ID NO:2, and c) a sequence having sequence identity with at least 20 consecutive amino acids of SEQ ID NO: 2, and

identifying the chemical specifically binding to the polypeptide.

Please add the following claims:

--48. A method of identifying a chemical which specifically binds to a polypeptide, the method comprising:

exposing to at least one chemical under conditions permitting interaction therewith a purified polypeptide comprising an amino acid sequence of SEQ ID NO: 2; and

identifying the chemical specifically binding to the polypeptide,

wherein the polypeptide has at least one biological activity of a GABA B receptor.

49. A method of identifying a chemical which specifically binds to a polypeptide, the method comprising:

exposing to at least one chemical under conditions permitting interaction therewith a purified polypeptide comprising an amino acid sequence having at least 70% identity with SEQ ID NO:2; and

identifying the chemical specifically binding to the polypeptide,

wherein the polypeptide has at least one biological activity of a GABA B receptor.

50. The method of Claim 49, wherein the amino acid sequence has at least 80% identity with SEQ ID NO:2.

51. The method of Claim 49, wherein the amino acid sequence has at least 90% identity with SEQ ID NO:2.

52. The method of Claim 49, wherein the amino acid sequence has at least 95% identity with SEQ ID NO:2.

53. A method of identifying a chemical which specifically binds to a polypeptide, the method comprising:

exposing to at least one chemical under conditions permitting interaction therewith a purified polypeptide comprising an amino acid sequence having sequence identity with at least 20 consecutive amino acids of SEQ ID NO: 2; and

identifying the chemical specifically binding to the polypeptide,

wherein the polypeptide has at least one biological activity of a GABA B receptor.

54. The method of Claim 53, wherein the amino acid sequence has sequence identity with at least 25 consecutive amino acids of SEQ ID NO: 2.

55. The method of Claim 53, wherein the amino acid sequence has sequence identity with at least 30 consecutive amino acids of SEQ ID NO: 2.--